Th Papel Manh 17th Snaugural Thesis. George Fleming Virginia.

## Thesis on Telunus

Succeed by almostows, which Phase made on believing, and the different modes of treating it, I have solution it as the water which Phase make this following mover to, and convenes of their repetit, having fully when the testing and more through investigation.

This divar may

webs its appearance in different climater and at different travers of the year but I work to work to work and brigantly appears in bot weather we would be their age we or species on also lables to it and by some author it has been meetinged as one of the opposited medicance. The area which have contended with many notes were confined to though year of age. I denot wish to wife from the that the inverse is more frequent more from the that the inverse is more frequent energy were there among women

bul I think that it might be more ratisfactorely accounted for by their being more frequently exposed to such accidents as are calculated to produce the direce, The courses of this sireare we well know to be various, Such as gun shot wounds, compound fractures, lisioner functioner and various other injuries. done to the body or it may be produced by exposure to cold after great excitement or folique covering a ruppression of perspiration it is also raid to be produced by irritating substances in the stomach and bowels, such as womes and it may likewise arise from rungical operations. The violence of this direase depends much upon its cause for if it avires from functures Cerious or any injury done to the tody it is more fatal, generally conving on about the eighth day but in this there are many varieties for in some instances it does not appear for a much longer

Time. But if the direct proceeds from exposure to cold it then comes on much somer This directe generally advances gradually but sometimes comes on suddenly to a most violent degree when the approach is gradual the patient is first taken with a sliffnessin the back of the neet which gradually increases and renders the motion of the head in any direction poinful and difficult. As this stiffness of the nech increases there is an awary reuration at the root of the tongue with some difficulty of swallowing a great lightness is perceived about the chest with pain at the lower end of the stemum shooting backwards towards the spine. The muscles on the back of the neck are now much affected with sparm and full the head directly backwards, the nursels of the lower jaw also take on this spassedie action and are violally affected. To this stoge of the irease writers have

given the name of locked jaw or trismus. wed with rome patients the ipsulosis affection extends no farther, but when the sireare advances the spasses become now general and affect the neurcles of the whole spine ro as to lend the trunk of the body backwards, which writer call opirthotonos. During the whole course of the worder the abdominal murels are violently affected with spann, the belly is strongly etracted and full very hard, the bowels are cortive and both the plexorand externor murcles of the lower extravities are simultaneously affected so as to keep the livels nigidly extended The floor of and exturors of the head and trunk at length become so much affected as neutrally to balance each others action and to keep the head and truck so nigidly extended and itraight as to render it incapable of motion in any sincetion. The arms Which had been but tille affected before are now likewise sigidly extended the tongue being also affected with sparme

is remetimes convulsively darted out of the mouth and nuch injured by the beth and it is to this to to the disease that The lime of lisinies has been strictly applied. The parmer mus now much more frequently then they did before the slightest cause being sufficient to bring them on, The face also becomes affected the forehead is consugated the eyes are fixed in their rockets the courtenance is much distorted and expresses great distress and notwithstanding the great statement of the sharmer which some lives to the place in this disease they are apt to neturn with neutraled force and miles. " while is procund, the patient invitatily printer. We reldone find any irregularity in the hulse weekl during the sparen, when it is small and inegular and the respiration is affected in the some way during sparm but when it rubides the hube and respiration. herome quite regular and natural



The modes of treating this direct as recommended by different writers, and removes and various. The practitioner first finds out the cause of the sireare, and if it proceed from a wound or purcluse, he carefully extracts any extransous lody that may have lodged therein, he then dilates the wound freely, and pour something stimulating into it, wechand heboic liveline, or spirits of temperature. The different courties, are also frequently applied to the wound, and afterwards it is covered with a roft how there, to produce suppuration, and not unprequently the wounded part is ampulated, Phium; Phelieve has been more exterrively used in this disease, than any other article of the nalivia medica, and frequently with the but expects, the practitioner not laking into consideration, the quantity weed, but its effect " oduced on the patient by its use, Dome suppose, that joining it with campbol or



musk, increases its effect The external application of it to the surface of the body is also recommended, by Thomas, as ling weeful in this disease. The warm both has also been weed, but Doctor Hillary in his writings, observes, that instantanious death has hollowed worm botting in telamers, and in Doctor Doneys edition , of Bopen work on surgery we ne a similar account of the effects of warm batting, and from Callen we karn, that the warm bath has done harm, and even a coarioned death. Bluding has been employed, but reldon with any evident benedit. Doctor Bush mentions that he found it weful, in one care, which came under his case in the year 1794. Moreury has often been wed, but without any apparent benefit, and a late calibrated writer tells us that he has never seen it of the last remies,



we signe planatio Etanois. Jonies, particularly the feruran bark and sine, have been recommended b. Doctor Ruch, and in the New your medical Repository for 1779, in mentioned a are of televais, arizing from the hundure of as pin in the wrist, which was weeffully treated by Doctor Hofrack, with wine alone. Cold Lathing has also been unplayed, and is highly recommended. Soclor Collewrays that it is a remedy which in unuvous triats, has been found to be of great remise in this disease. Cooper in his work on wageny recommendation one of the most effectial modes, of treating this sire are. Doctor Thomas also 1874 us, "that in all the instances of seconery from letaines, which had to ken place under his care, the cold bath had been wed, and in combination with bark and wine, the cold bath appears to stand, decidedly preminent, in the list of revadies, now



suplayed in telemin, and a illustration of this efficacy of will relieb. The following,

In the latter end of july 1821, o man bing unployed; in cutting some outs, for the surpose of feeding his horses, cut his finger, just across the middle of the record bone, and divided it entirely except a mill hortion of the integuments, on the inevide of it. The pende lows and of the finged was room replaced; but an ill conditioned where followed. Now as the remote and existing sure of this diregre, of pear to set with more witaristy as well as violence where the segree , heat, excitement, and fotigue which the person night previously have undergone was great, this appears to have been a care will calientaled look troduction, the weather ling warm and the patient much satigued by the labours of the day



This wound did not unite by the lent wantion, but the bluding from it was copiour, and after a day or two, it fut on a most un favourable aspect, notruppursting, being entirely days and inventible to all the limelating applications, which were used to rouse els remibility. On the lifth day a flir the accident, in consequence of some latigue which he underwent, he was taken with most of the symptoms of tetames, as a sliffings of the neck, difficulty of swallowing, hair about the region of the stomach, an inclination to Level foreword, sharms of the abdominal nureles, and thighs, have shooting from the extremity of the sterneur, backwards bowards the spine, with teurior and rigidstabout the thorax, and, when asleep, his shoulers were intempted by frequents vartings, secompanied with subultus lindinum, alstinate constitution also, of the bowels existed, which wassemoned



by gentle purgetives and about the first of august the cold bath, bark and wine were freely wed, with opium to muligate the spann. The cold water was poured upon the patient from some height in one gradual but continued tream. He was then, wifed any fut to had, and the bank and wire administered freely. There means were repeated every two hours, and umelines even more prequeelly when the arcumstines of the care demanded them; Nowwes the free us of opens overlooked, in the wanty of the spanns, it was invariably found to allay fraing and miligate the sufferings of the rationt; and though the allacks would return, the busit resulting from this course of treatment, was avident; for their recurrence was attended both with a inviruation of force and bequery, and would again and again be as promptly removed by the use of the same means. Finding Lowered, that The direase did not appear



wif it would be entirely evadicated by this course Streatment, the finger was amputated, on the supposition that the sire are would give way exterely to the above mode of treatment, after the uniting cause had been removed. The operation was performed just above the wounded parts and the stump fut ow a farouroble appearance, suppurating hindly and soon healed . During the whole course of the healing process the aireare continued, though in a milder form. In about a week after the operation, menung, war revorted to, with the hope of producing Styalinu. The mild muriste , was the proporation of mercung, first weed, of which one grain was given three times per day. This mode of weing it, however, was found inadequale to produce the derived of foot, and it was, then, given in much larger quantities, but with the same result, neither sid it act upon the bowels. The mild muriste was there,



extanged for the unquentum mercuriale continus which was used in the way of friction whow the internal parts of the thing his the woins, and also, in the willa; till it produced nuch exerciation of the fasts, to whichit was applied; that a more extension trial ofit was thought inexpedient, and it was therefore; dinontinuers; and the corresine nuriate was substituted, This preparation was wered artiminely, but produced so qual distrals of the storeach, that it was abandoned as had been down with the other mereurial preparations, The line to kew up in the employment of the nureusial medicine, was about three or four weeks, withreel their action ever being apparent on . the salivary glands, but the disease appeared les violent as well as less frequention its recurrence Mercurial funingations were mest resorted to, but the issult was the same win the proceeding attempts.



The mercurials were now entirely abandoned, arthy weld not be so exhibited, as to produce this derived expect, and had been productive of no apparent lenelit. The cold wall bark and wire, and also the o finn as the resquery of the case decoranded it, were now wered freely as they appeared to be the only means, by which the disease could to subdued; Al war accordingly peristed in lor a week or live days, with the happy effect of an almost entire removal of wany unplearant and morbid action, This plan of treatment, however, was continued for several days after an entire removal of all the symptoms of the disease, coaste eradicate entirely the disposition to a necumere During there reveral days, he continued entire of ine from all the symptoms of the direase, though romewhat costine from the quantity of opinion, which he had used? The quantity 00 Peruvian back outployed in this case)



was nearly two pounds, with a proportionate quantity of wine, and the opium, when the sponse were revere, ever frequently given two or three grains at a time repeated according to the urgency of the symptoms; The sulphurie ethers was occarionally subtilitied for the opium, and apparently with some herefit, and the costine state of the body was earily sensoned; by the use of mild appearents, such as the sulphat of magneria or the sulphat of soda. Blisdiet auring this time, was light, and nutritive, and his appetite for lood but little; if at all impaired; at this time after an entire abrence of all the symptoms of the disease, for a week or tere days, being considered entirely well, the policial neruned his former occupations of labour, and was again taken with all the symptoms of laterus, which distorted the features of the face in a most allowing



mouner; and were not unprequently so violent who cause him to be entirely fraution. The cold both , in confunction with the bark and vine; was immediately sero test to, and with the halfiest of lest: The fint shower of the water uspelling most of the symptoms of the dire are, and where they outineed after the patient was just to hed, the exhibition of are whiate would generally remove them, but this interval was of short duration, as the attacks would receive in a face hours. though each succeeding one was attended with much less violence than the one preceding it, and were as easily removed by resorting to the same means, as before, harticularly the cold bath, collowed up by the back and wine ether spirits were once or twice relatituted for the wine, in consequence of the wine not hing at hand, and they were rometimes weed to such an extent,



into produce intoxication. Though the benefit smilling from the spirits in this case, was interior to the Overulting from the use of the wine; it was certainly entilled to a considerable portion of eredit. The patient houses, being induced for some purpose to get out of bed; and walk acrofs the room, was taken with riolant shorms, particularly of the murcles of the head and neck, and the blivers and exteriors were so much affected; as to under the head immoves ble, in aundirection, during their continuouse. At the same time, his arms were rigidly extinded, The Eucoinator and magnetur murches were also affected with violent sparmer, and his jour fast clinched. The cold water was instantly resorted to with the most astonishing lenefit, for by its use the appearion of the jours as well as many of the other insplianant symptoner, were dispersed, and the patients



condition, when companed with what it had been but a few momentation " " banquility. Veverthelige the spanner continued to recur for rever or eight days, but in every instance being breated with the cold affusions, in conjunction with the back and wine, and organionally an opiates as the symptoms demanded it, were as early nemoved as before, and gradually divirishing in fore and frequency, they disappeared extintly in in or eight days, but left the fratient in a very delilitated condition, with a distrepring remation about the stomach, accompanied with oruse of heat. This was thought to have been produced by the great quantity of stewelauts, which he had taken in, and coursequently the further we of the lask and wine, war not thought expedient. It was therefore involved, but the old lathing was still practiced occasionally for ten or clevendays



longer, at the expiration of this time, he having heen entirely free from every symptoms of the divare, for more than a week, it was Stought rafe to disnife him as cured, which was accordingly done. At before however resuming his somer outpations 14 calour, the directe again made its appearance, in the muse of a week or two, when he was to trunith most on the symplam, which servele the at toroach of liver is There gradually increasing, and being somewhat aggranated, from the exertion made by him to get to the house, soon became assident win any of the preceding attacks, The wid affersions, weed as above mentioned, were resorted to the third time, and regularly dollawed who by the Cheral use of the born and wine, with the occasional use of an opiale, and although the o him always of proved to have great



hower, in allevialing the sufferings of the hatitut, and miligating the violence I the harrowser, it can reareing in this was, he with the to ar much credit, as might be your to the cold a f'surious, or to the bank and wines how the burefit resulting from the employment of there two letter means, was in every westand evident; as the most violent symptoms would be entirely removed, or greath, attended by their. Loctor 1 right of Januaria yer is no account + & six rares necessfully breaked by a blusions a & cold water, Joel Thomas Cochrane use gives no instance, in which the hatinet ahund his jour freely and was enabled to walk upright in a day or time a clar a churious of cold water were one played. As advocates, borthis blan of trealment in telenus teneral writer still



more celebrated than there last, have here mentioned be for a on addition to what has been previously mentioned in farmed of this mode of breatment, it was sound on this third attack, to be cousily as beneficial as in any of the foregains. Finding, however, so quest a disposition in the disease to realitear, whom the slightest ocensiones, after it appeared to be entirely removed, it was Hought but a continue the same mode as beatwent, though for a nuch longer line; than had been foreriously done, with a hope of eradicating the dir rosilion, which appeared to lurk so abstinately in the system. Having been watermed on hell activitie symphones had disappeared, yel pearing that perhaps the irealment might not be found adequate to the externation of the sireone,



it was exchanged for the neverial blow, with a hope of establishing a mercurial retion in the wave of the teturione, which now virted . In this expectation, we were disappointed, for notwethelaning the exturere use at its various preparations in many ways, it was found, as had been done on horrious accarious, to make no apparent impression on the systems This being the care, it's our playment was given med, and we had now to toust salely to the wild a leurious, bark and wine, for the entire relimination up the discare from the system. The employment of there remedies realized and most conquire or extations, for the direase dira heared whose the use of their. in every instance, and we had every reason to telieve that by a continuance withing ill it was at sufficient



auration, the disease might be entirely removed. Having heer so frequent's Soiled in previous attempts to accomplish this object, their we was regularly maintained for reveral weeks, after even symptonice had cuting by dirappeared. In addition, a perfect state of next and trangentity was briefly enjoined whow the patients even for a much longer time, as the , u. c. of the bark and wine, reproduced the distrifring seure of heat in the stomach, Durhich the Intient had be fore complained; They were discontinued, and the wold afficious persevered in for a much longer time, The patient was also prohibited from engaging in any peruits, that might produce existement or latigue and in this condition of quietude, he was treft for a month or two, during which time, the disease interespectived. The patient was finally



dimifered as wered, and this oblimationed boundable direct was at la wildered no return of the symptomes faring free manifested ince.

Alerthe bull. and accurate account, which I have given of the above case, and its friquent relapies, so of tue removed by the rame means, and we not authorized to consider the ilow of breatment, as highly calculated to proone succeptul in the divarys di us in our climation of this opinson, I will relate a record care, which begather with the cist, will more satisfactority demonstrate the propriety of the practice. On the first of Schlauber, 1822, astrong athletic negro man, aged about six and twenty years, accidentally tros upon a sharp thom, which penetrated between the melatorial bones of the foot. The those was extracted soon



after the accident, but in a few days a most foundable allack of tetanses, made its appearance, commencing with almost universal spanne, with reasely am, or but few premonitory syne, clour. The attacks being wiolut; and following in rapid mention, the sufferings of the patient because queat, that death appeared to be a livert inevitatile. In this critical condition, the showed bath was employed, and produced a more sheedy and complete ne lief, from wen, sparmode affections, than I had ever withe feed in any ringle instance of its imployment. The first bucket full - that was showeved whom him, entirely dishipated even you plose of the rise are after which he was wiped perlectly drys fruit to bed, and a large dose at lask and wine were exhibited In this way the acception of the next paroxyrur wasmuch relaided,



the interval from one to the other being grades, than that between any obthe preceding parcogram of weight the means worthwood with the same hopey greather the harayour till continued to return during, the day but gradually discientified in force and frequency. On the plottering in lays they can be frequency for the plottering they are to the total the total times to the that the could at furious were respected.

Notwithstanding this should investimance of the treatment, the direct granually supposes, and the patient granually in securing home his state of directly in a short time was sectored to his weed health.

That the rame records would attend this practice in warmer clivelles as the East or spirt process I are weekle a gest Jam howard inclined to believe that its on signered



in those countries night pour weful. On this subject, we find the testimony of authors to be at variance. Doctor Girdlestone of the East Judies informs us, that cold water, universally proved fotal in this direare. Doctor Buch, very satisfactorely accounts for this circumstance from the delilitating effects of that warm climate, inducing such a state of the systems, as vender it unable to react under the redative expects of cold water. may we not rearoughly correlate their, that the cold water, if used with caution, roas not to reduce the system below the faint of reaction, and gradually increasing it according to circumstances, would he as ureful, in such a climate as our own; This opineon I am inclined to adopt.

and the sulper to see this to the to

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